

CALIBRATION LABORATORY MEASUREMENT AREAS

Electrical/Electronic

AC/DC Measurement (Resistance, Capacitance, Inductance, Voltage, Current, Power, Phase, Power Supplies, Digital and Analog Meters)

Waveform Measurement (Oscilloscopes, Signal Analyzers, Audio Analyzers, Distortion Analyzers, and Spectrum Analyzers)

Signal Generation Measurement (Low Frequency Signal, Function, Pulse, Square Wave, Time Mark, Constant Amplitude, Sweep, and RF/Microwave Signal Generators)

Frequency Measurement (Electronic Frequency Counters, Frequency Comparators, Microwave Counters, Multifunction Counters, Frequency Standards, Digital Clocks, Digital Delay Generators, and Time Interval Units)

Physical/Mechanical

Mass (Weights, Scales, and Balances)

Torque (Torque Calibration Systems, Torque wrenches, Torque Transducers)

Vibration (Accelerometers, Velocity Transducers, and Vibration Calibrators)

Pressure/Vacuum (Deadweight Testers, Portable Pressure Calibrators, Manometers, Barometers, Gauges, Sensors, and Transducers)

Force/Tension (Universal Calibrating Machines, Proving Rings, Tensiometers, Load Cells, and Force Sensors)

Temperature/Humidity (Temperature Baths, Temperature Furnaces, Temperature Cells, Thermocouple Calibrators, Dry Block Calibrators, Thermocouples, Thermometers, Resistance Temperature Detectors (RTDs), Platinum Resistance Thermocouples (PRTs), Standard Platinum Resistance Thermocouples (SPRTs), Temperature Controllers, Humidity Generators, Humidity Indicators, Hygrothermographs, Psychrometers, and Dew Point Meters)

Dimensional (Gage Blocks, Comparators, Height Gages, Interferometers, Micrometers, Dial Indicators, Plug Gages, Ring Gages, Displacement Transducers, Calibrators, and Mechanical Reference Planes)

Liquid Flow (Flowmeter Calibration Systems, Volumetric Provers, Non-intrusive Ultrasonic Flowmeters, Conventional Intrusive Type Flowmeters)

Note: The measurement areas identified in this technical exhibit are the primary measurement areas of concern when evaluating desirable experience.